

DOT 3 BRAKE FLUID
18 NEW FLUIDS

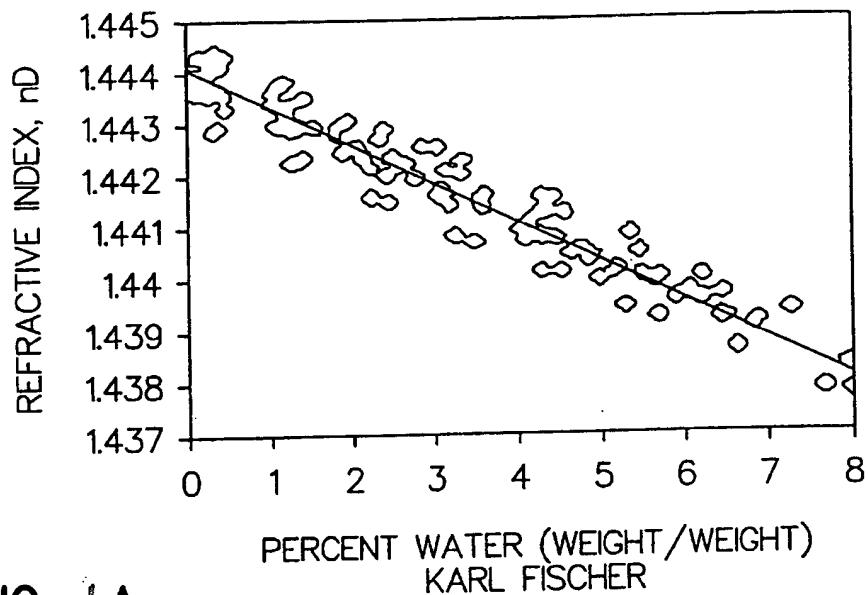


FIG. 1A

HIGH TEMP DOT 3 BRAKE FLUID
14 NEW FLUIDS

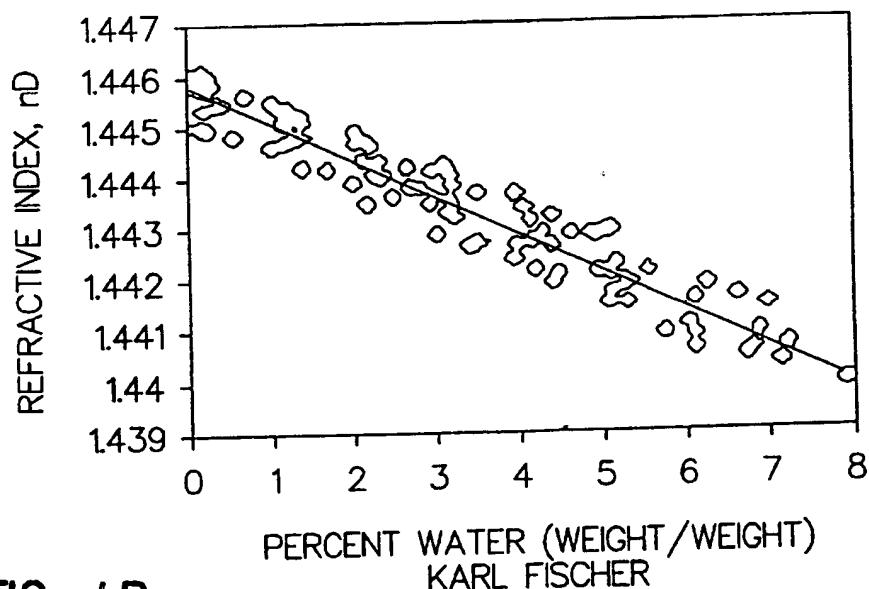


FIG. 1B

DOT 4 BRAKE FLUID
21 NEW FLUIDS

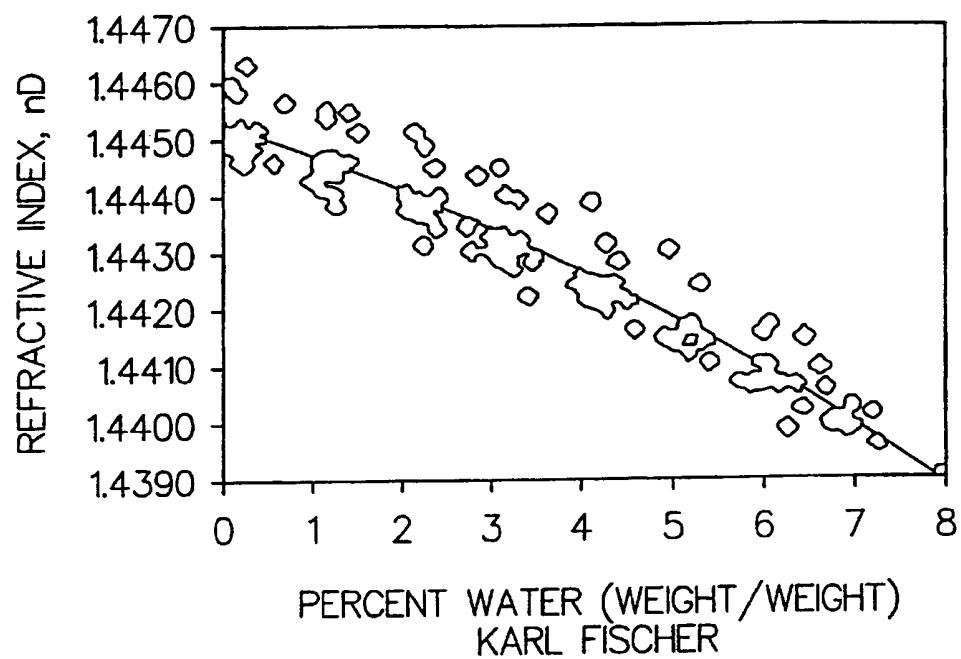
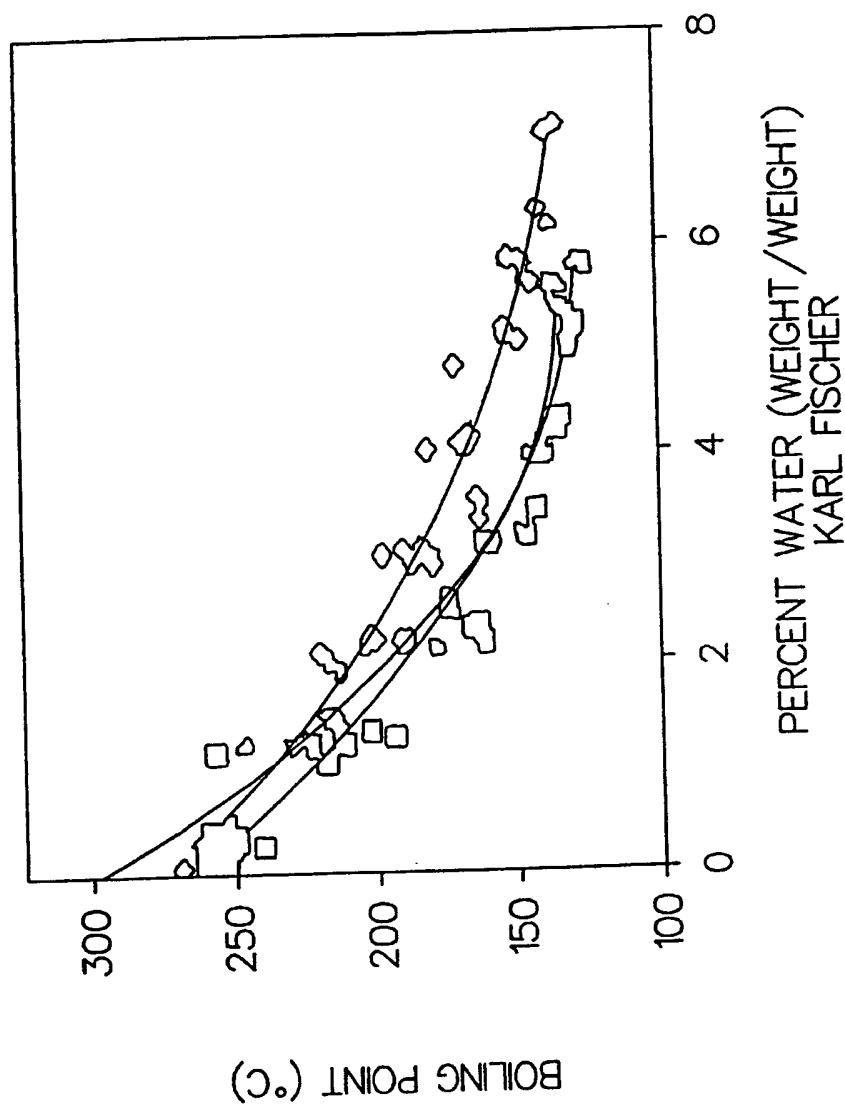


FIG. 1 C

FIG. 2



DOT 3, N=7			
	BOILING POINT	PERCENT H ₂ O (WT./WT.)	REFRACTIVE INDEX, nD
FRESH BOILING POINT	252 C. +/- 7 C.	0.23 +/- 0.14	1.4435 +/- 0.0004
RANGE	240-262 C.	0.06-0.42	1.4428-14440
MIN. DRY BOILING POINT	250 C.	1.15 +/- 0.38	1.4429 +/- 0.0004
RANGE			
MIN. WET BOILING POINT	140 C.	4.4 +/- 0.3	1.4406 +/- 0.0004
RANGE			
HIGH TEMP DOT 3, N = 6			
FRESH BOILING POINT	281 C. +/- 18 C.	0.14 +/- 0.07	1.4457 +/- 0.0004
RANGE	263-305 C.	0.07-26	1.4449-14460
MIN. DRY BOILING POINT	205 C.	1.56 +/- 0.35	1.4447 +/- 0.0004
MIN. WET BOILING POINT	140 C.	4.65 +/- 0.39	1.4425 +/- 0.0004
DOT 4, N = 9			
FRESH BOILING POINT	259 C. +/- 18 C.	0.18 +/- 0.08	1.4452 +/- 0.0005
RANGE	248-264 C.	0.06-0.30	1.4448-14462
MIN. DRY BOILING POINT	230 C.	1.11 +/- 0.28	1.4447 +/- 0.0005
MIN. WET BOILING POINT	155 C.	5.1 +/- 0.46	1.4418 +/- 0.0005

FIG.3

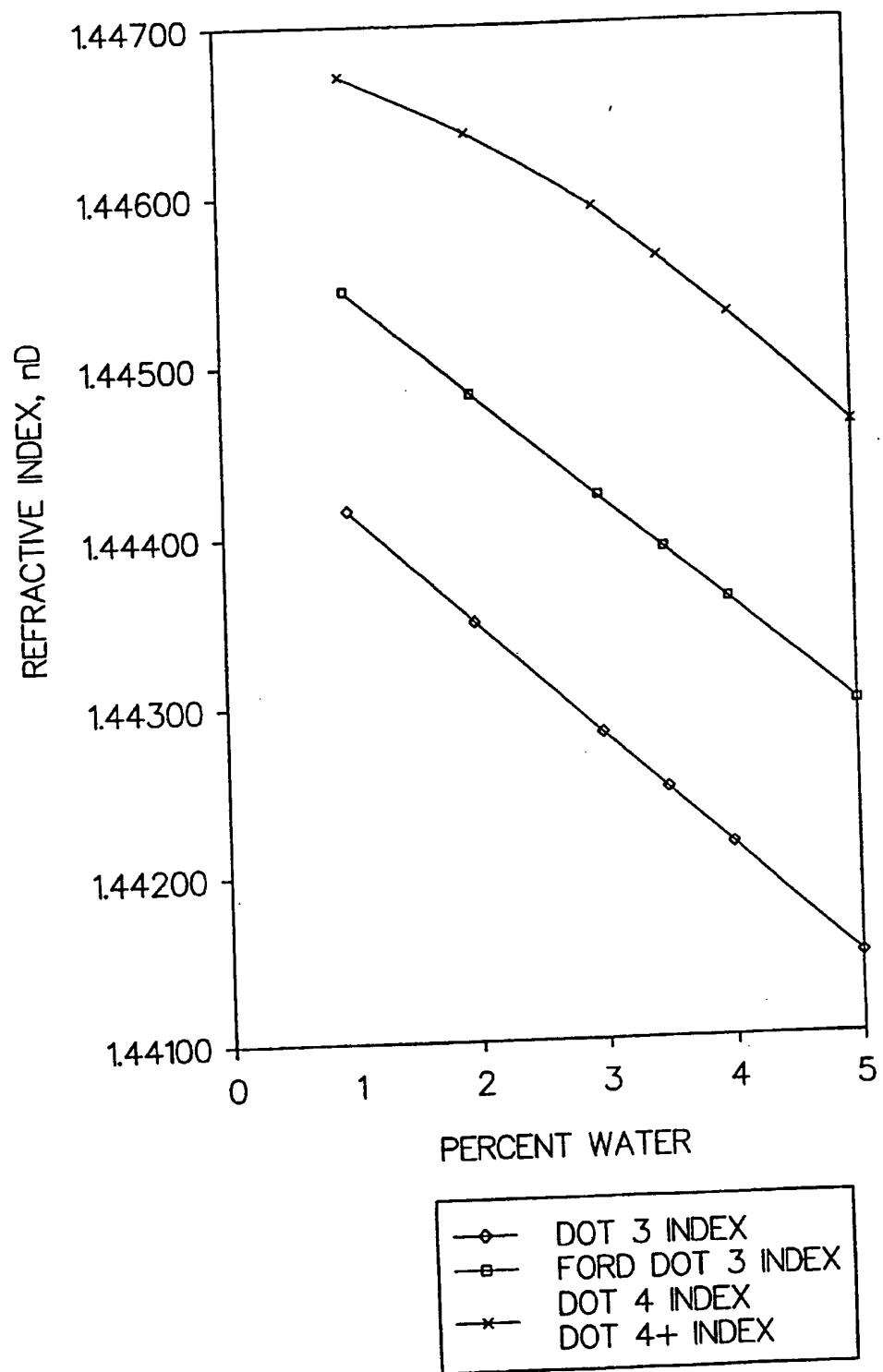


FIG. 4

WATER CONCENTRATION PERCENT (WEIGHT/WEIGHT)	DOT 3 N = 9	DOT 4 N = 7
NEW	-0.00038 +/- 0.00002	-0.00041 +/- 0.00004
2%	-0.00038 +/- 0.00003	-0.00040 +/- 0.00004
4%	-0.00039 +/- 0.00002	-0.00039 +/- 0.00003
6%	-0.00037 +/- 0.00003	-0.00038 +/- 0.00002
USED FLUID, N = 101	-0.00037 +/- 0.000014	

FIG. 5

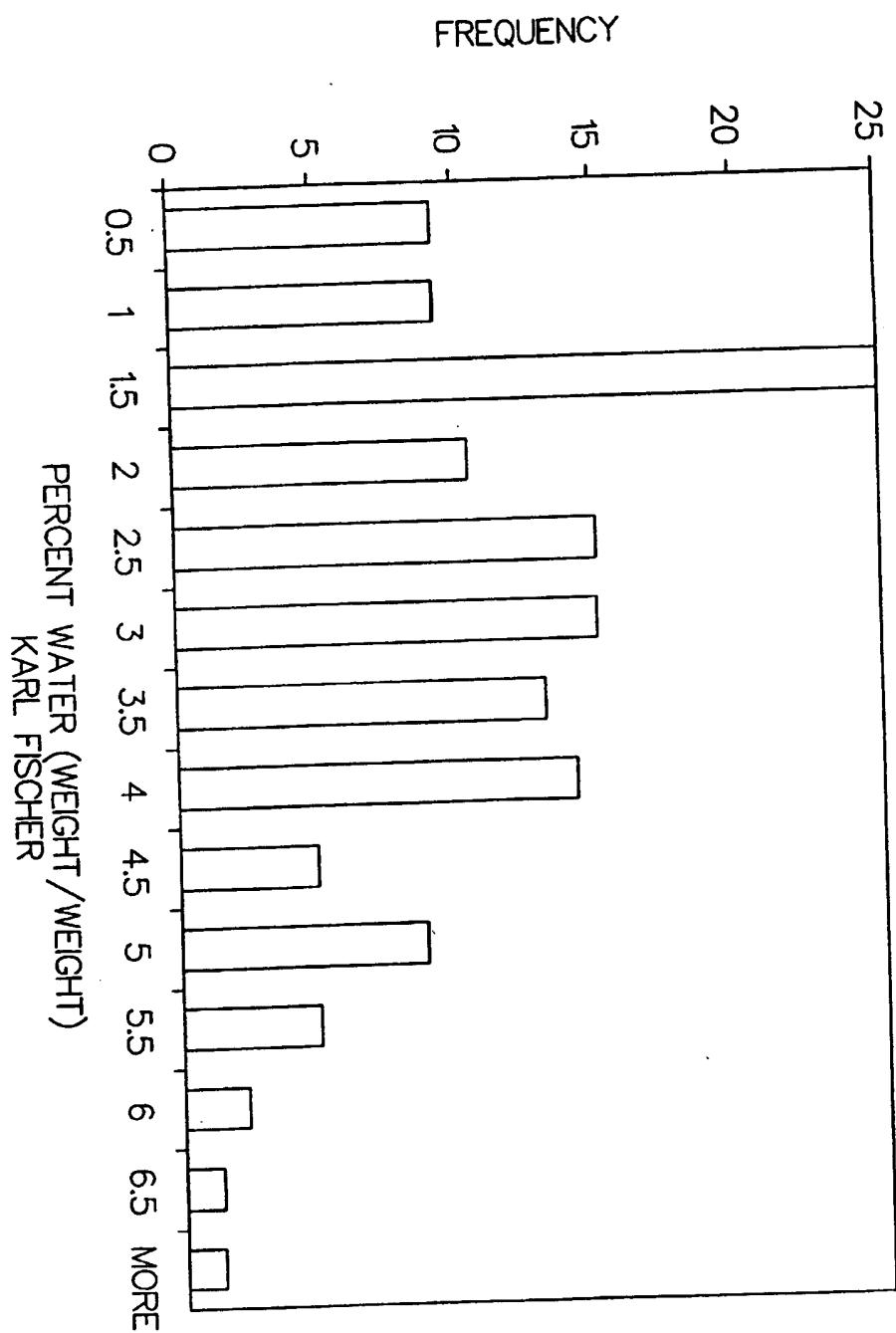


FIG. 6

ROAD VEHICLE BRAKE FLUID COLOR

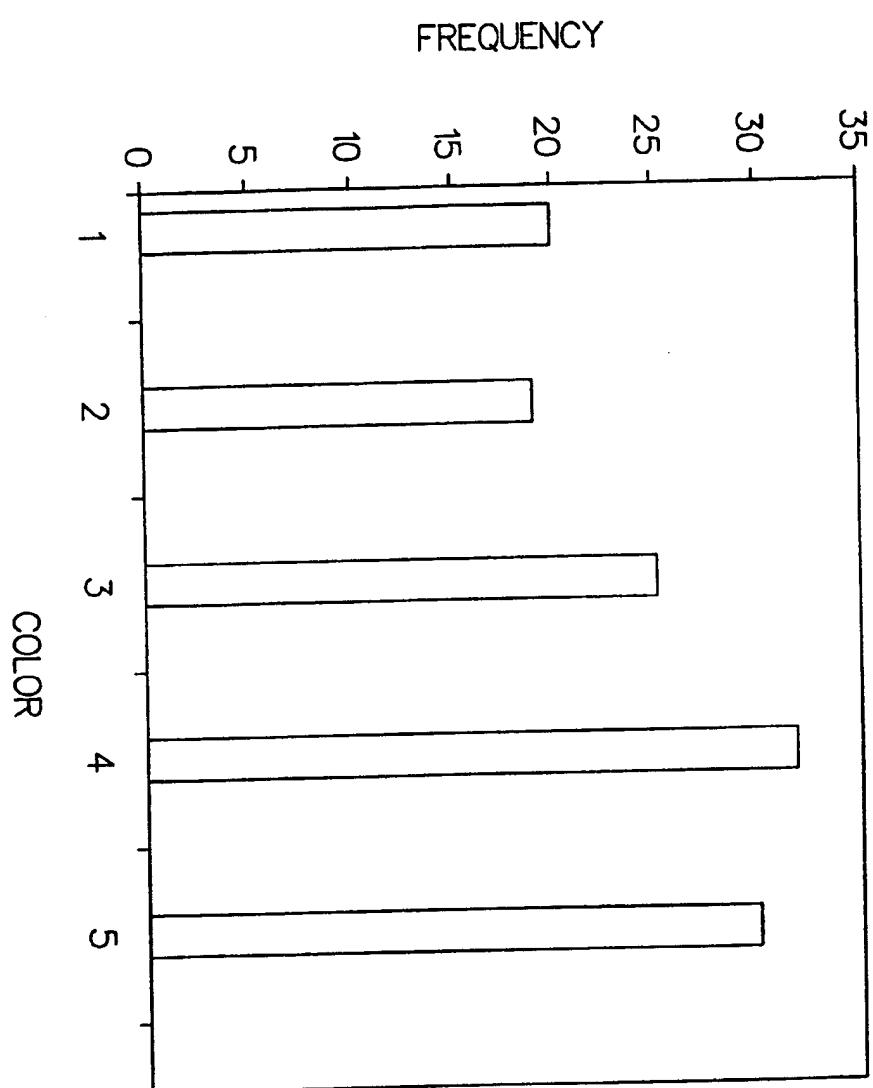


FIG.7

IN USE VEHICLES
 $N = 125$

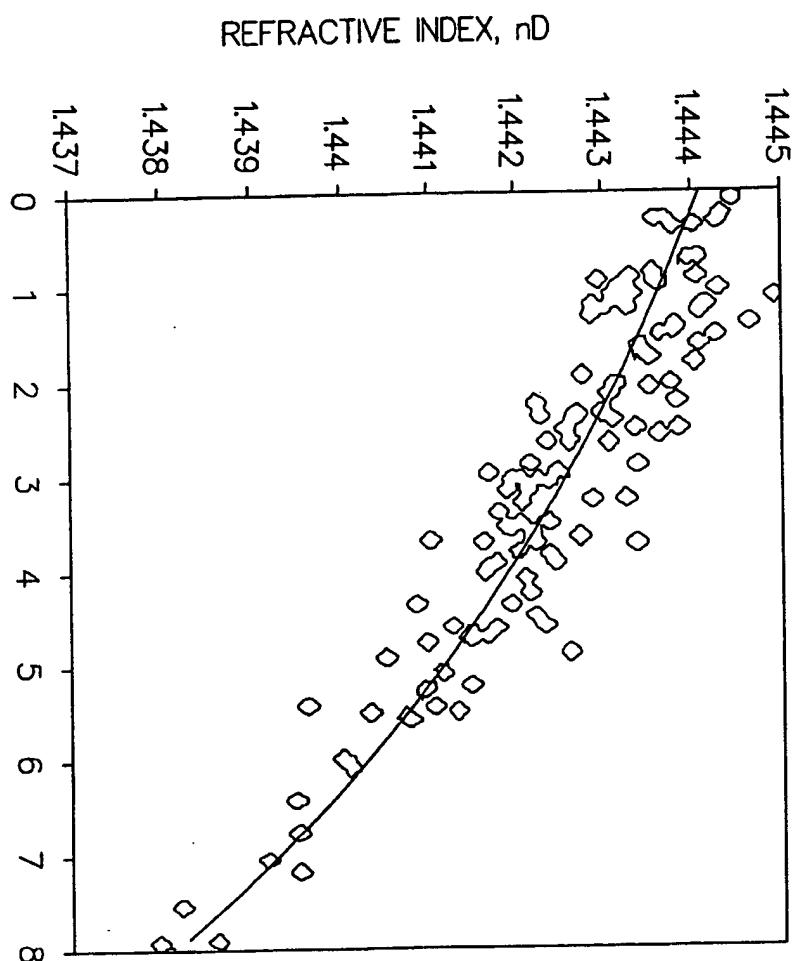


FIG. 8

HIGH TEMP, REGULAR AND USED DOT 3 BRAKE FLUID

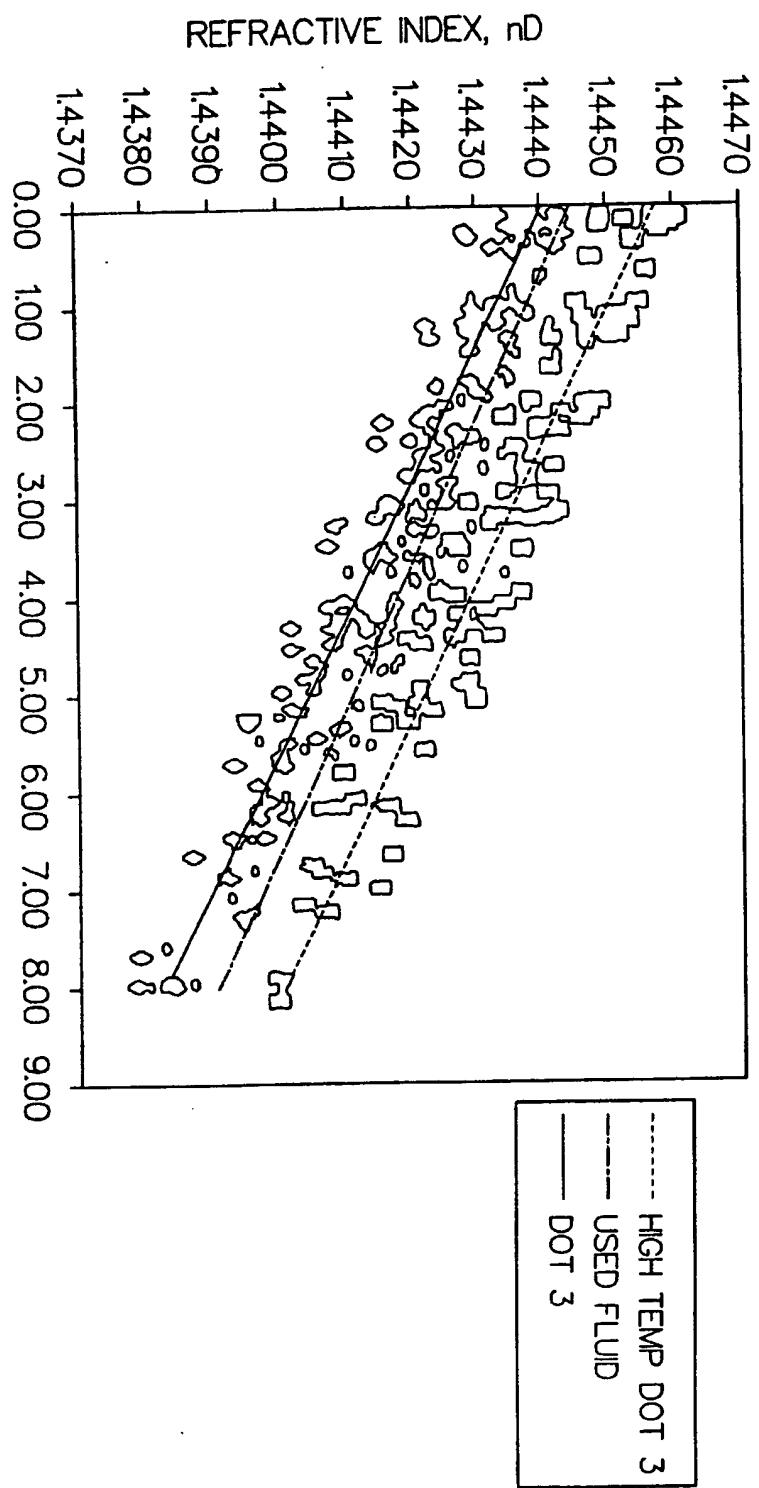


FIG. 9

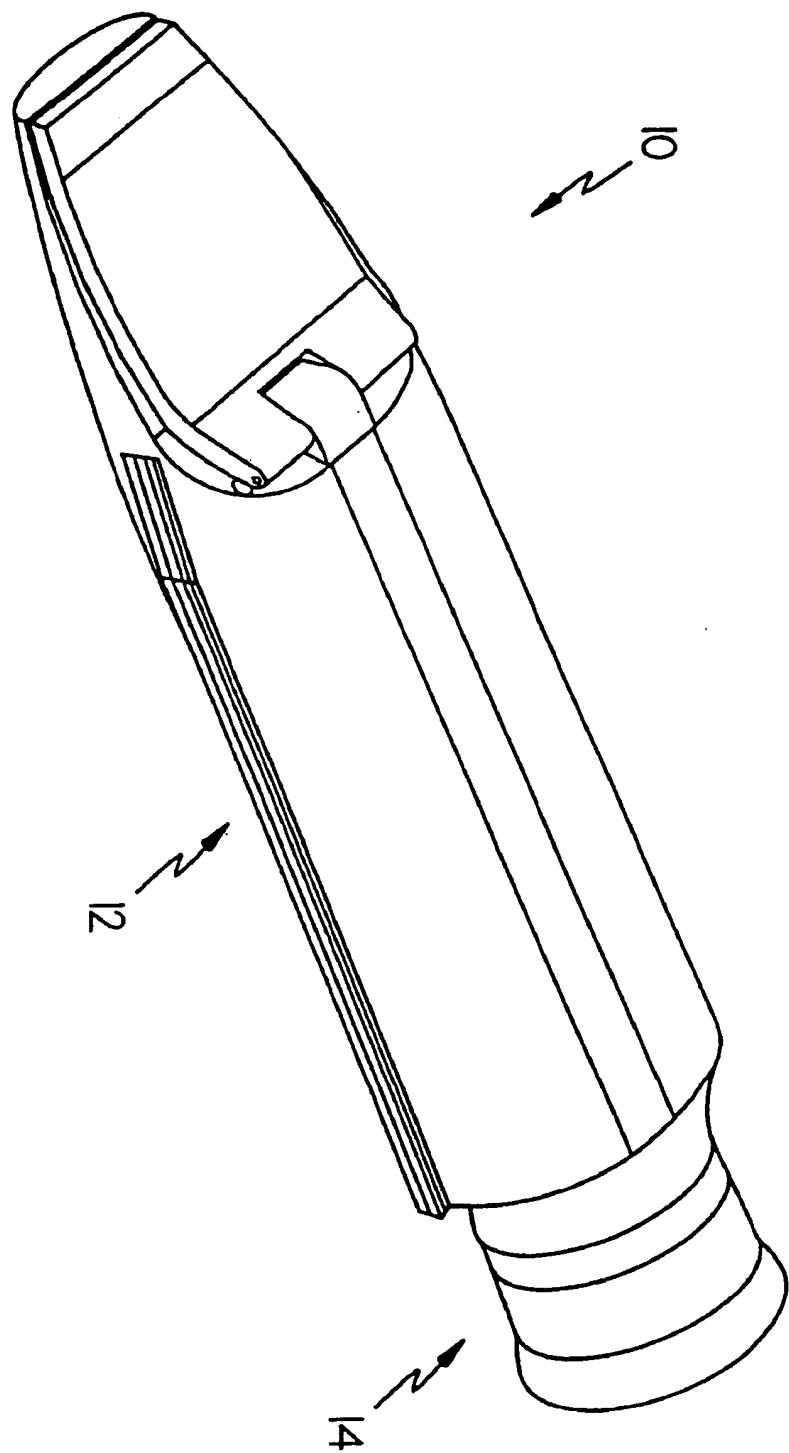


FIG. 10

FIG. 11A

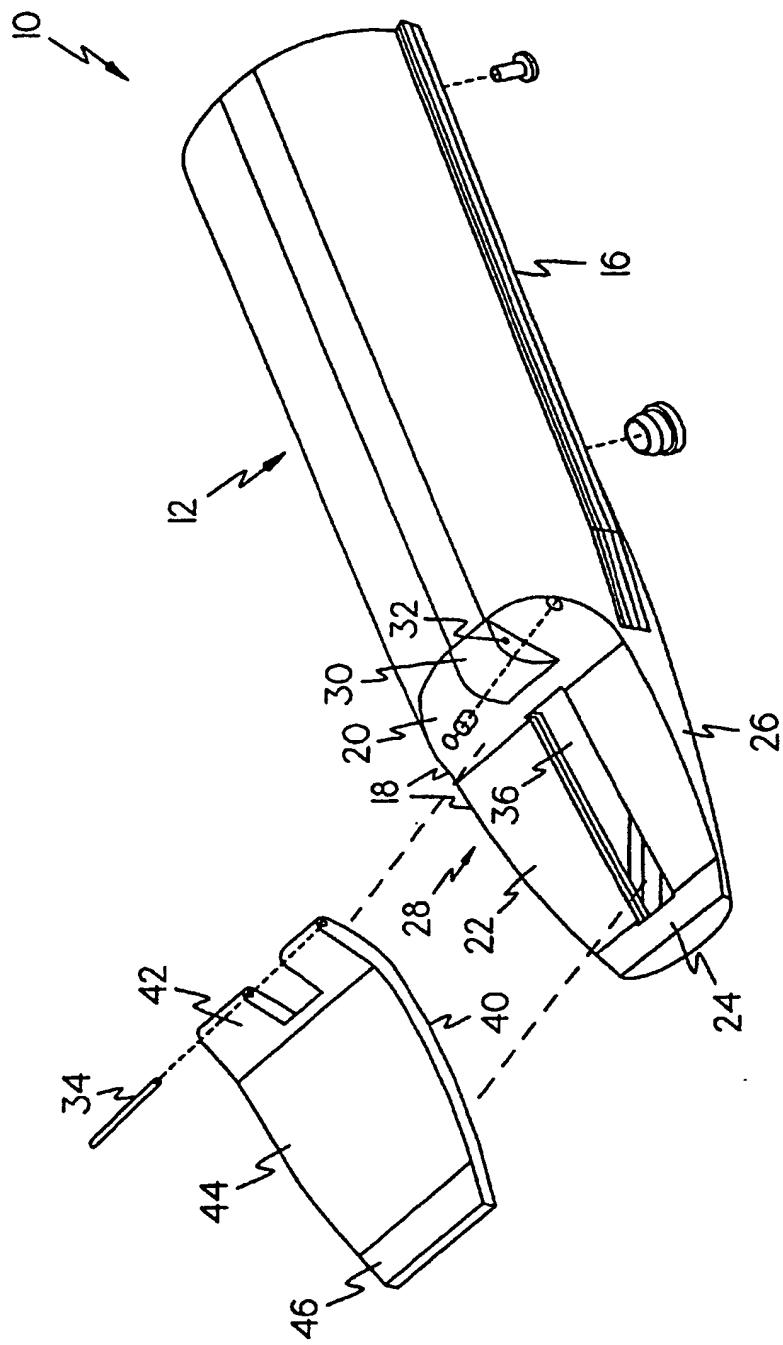


FIG. II B

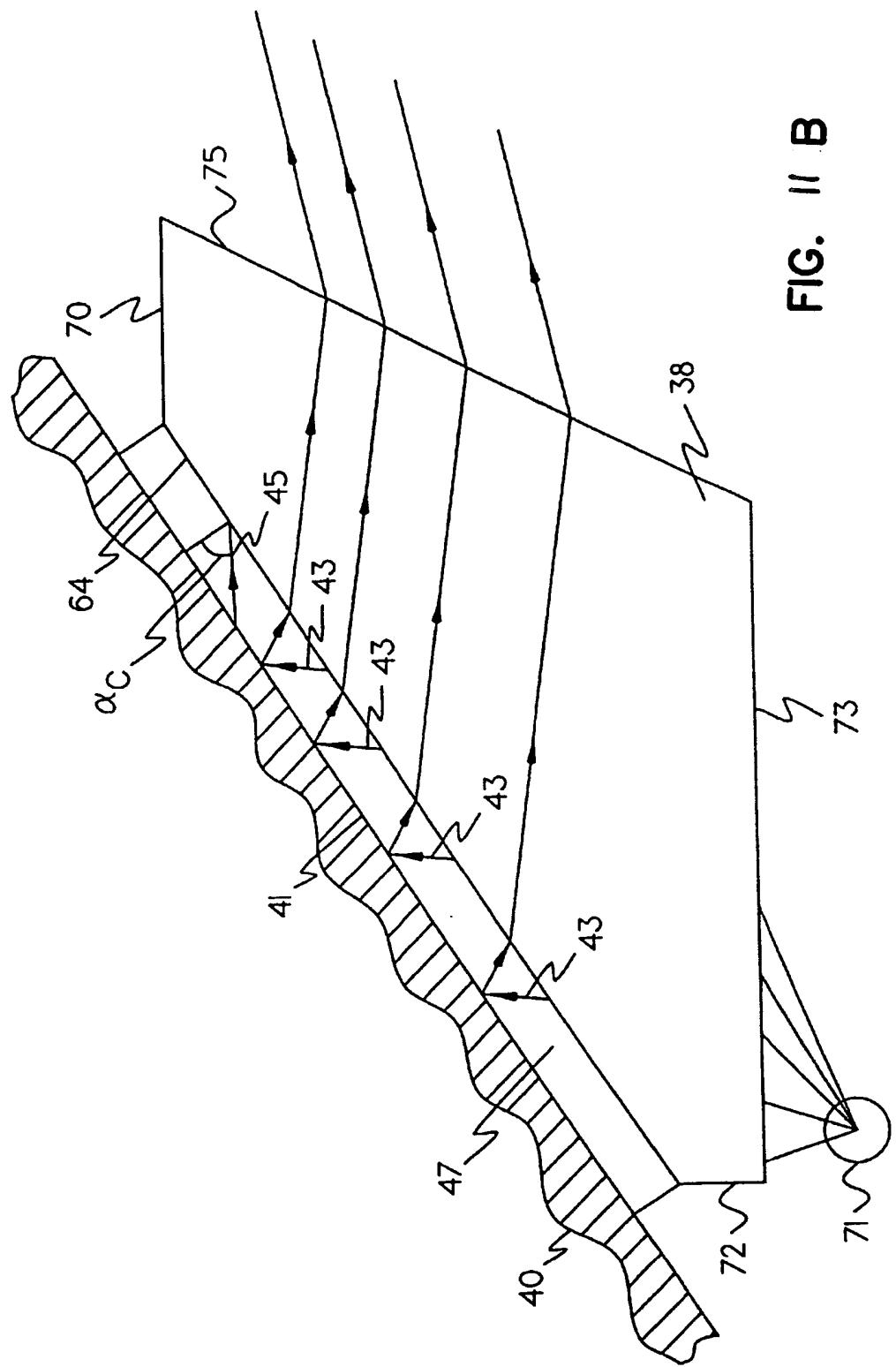


FIG. 12

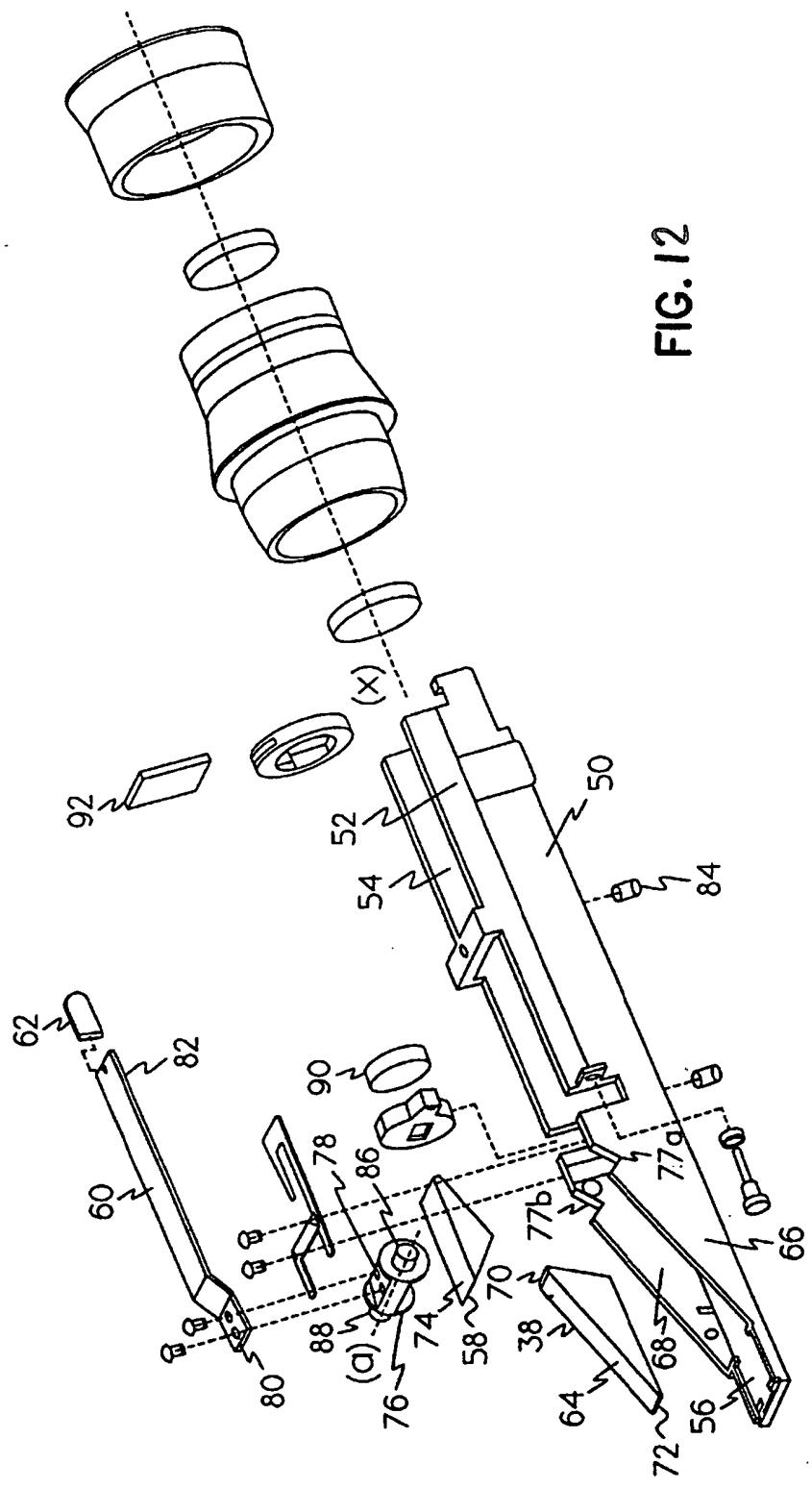
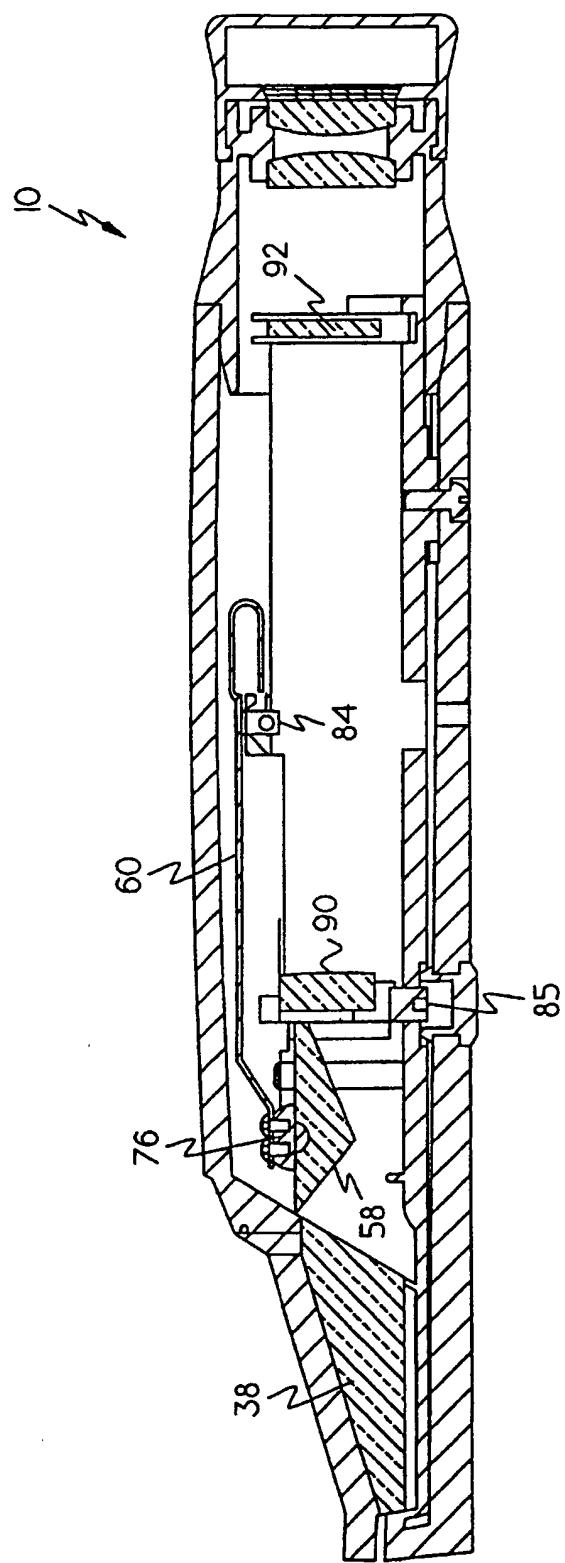


FIG. 13 A



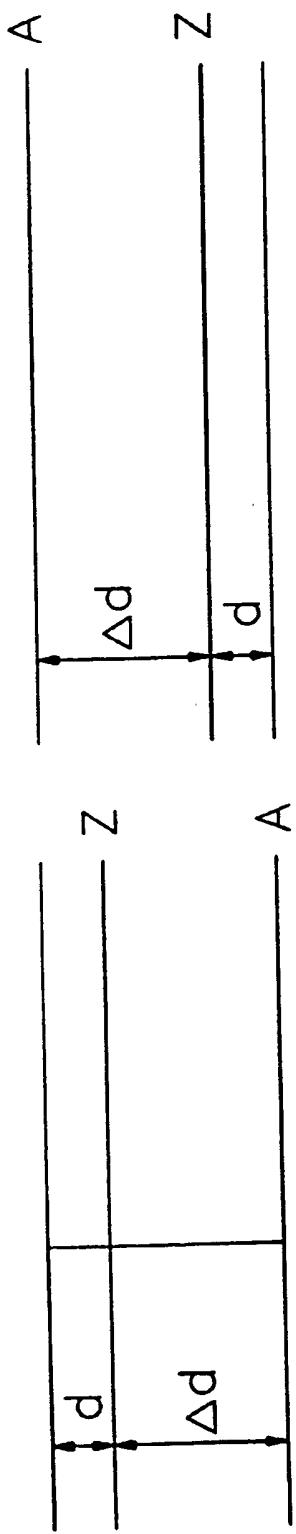


FIG. I3 B

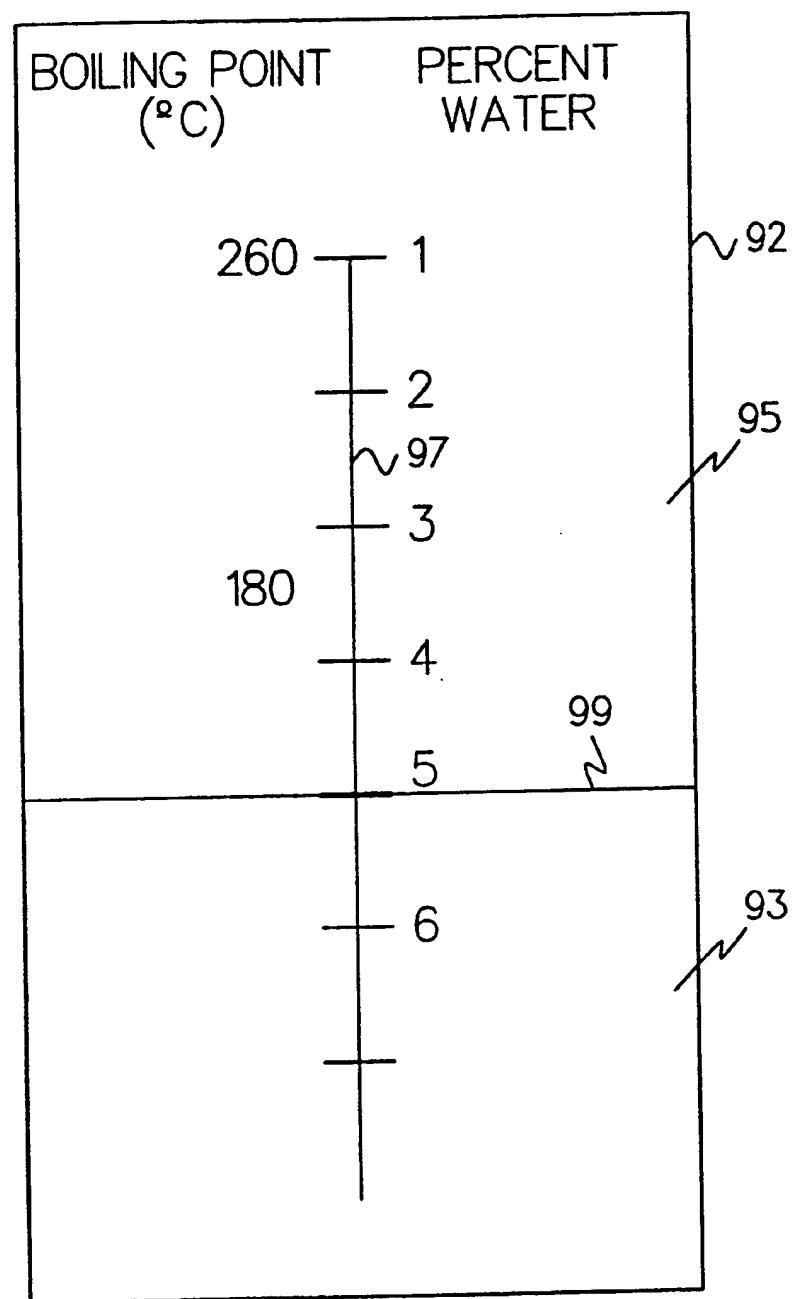


FIG. 13 C

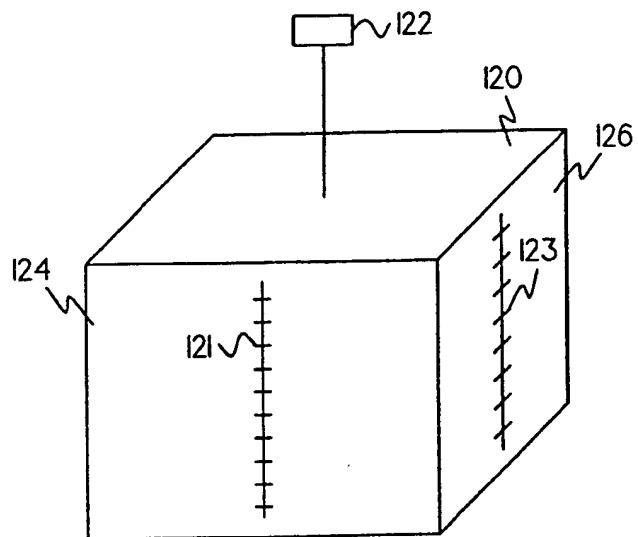


FIG. 13D

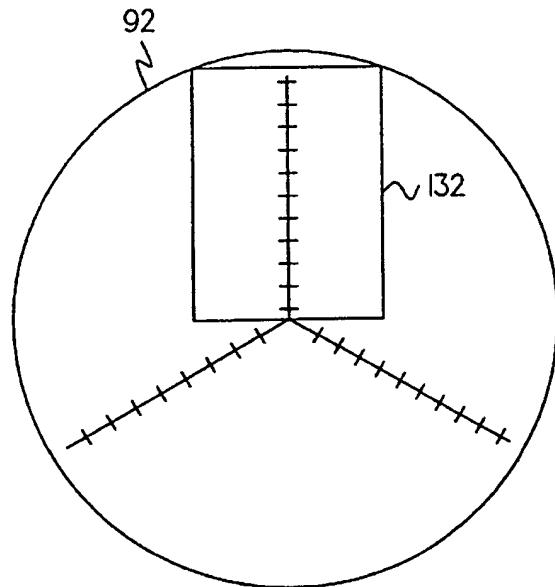


FIG. 13E

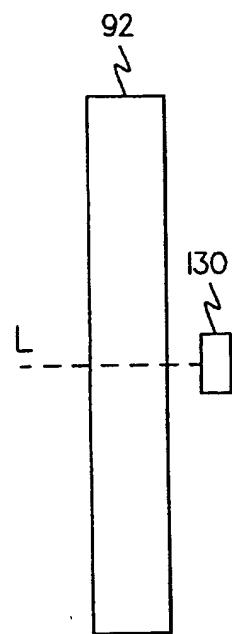


FIG. 13 F

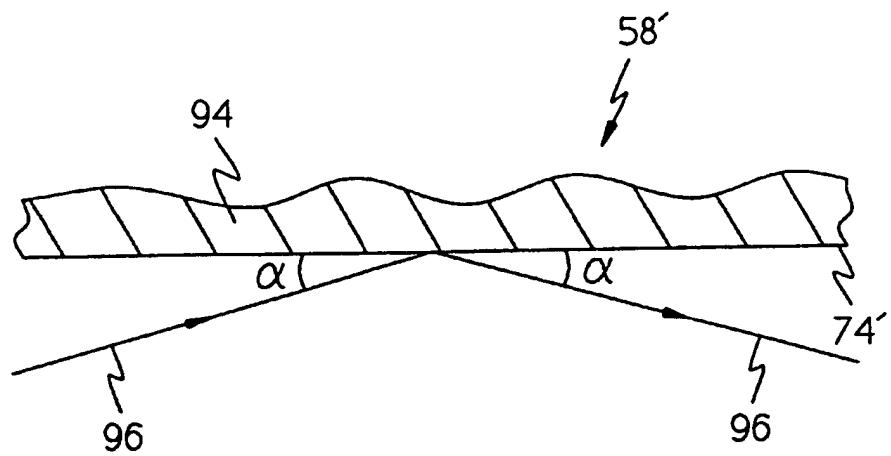


FIG. 14 A

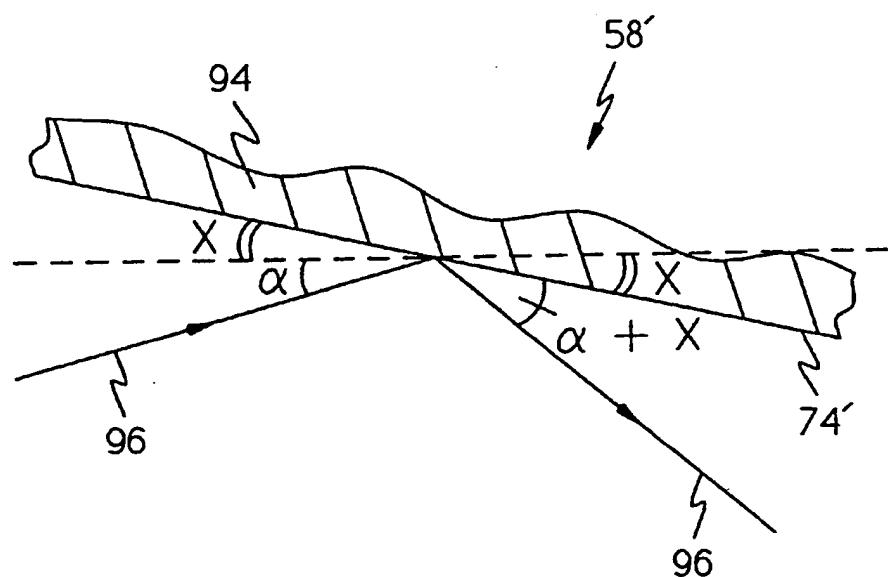
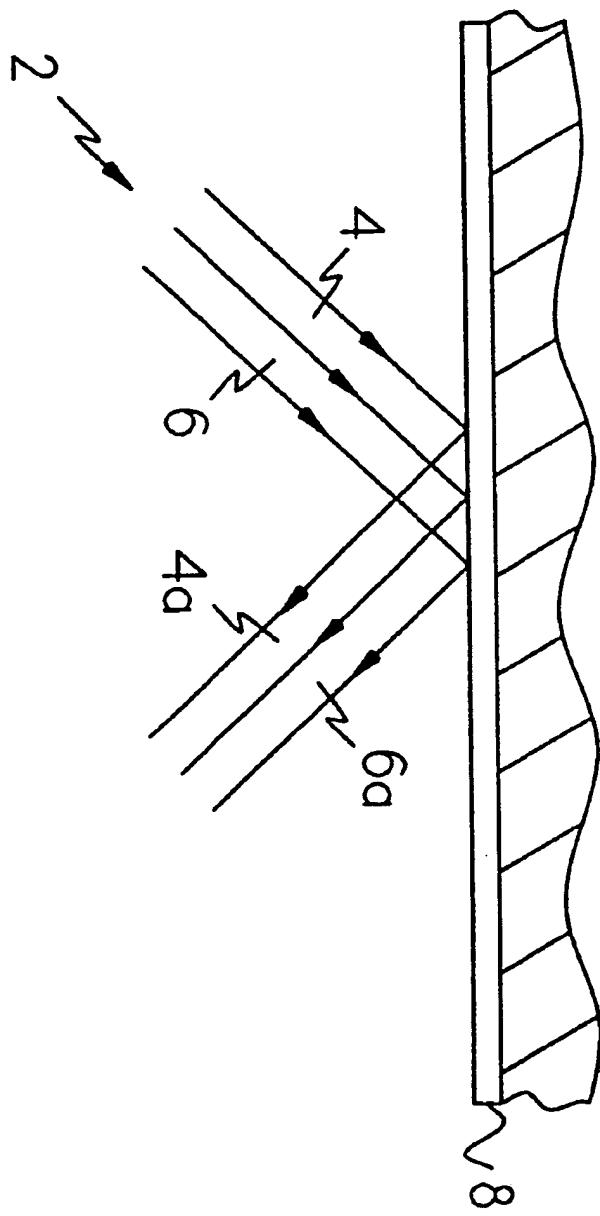


FIG. 14 B

FIG. 15



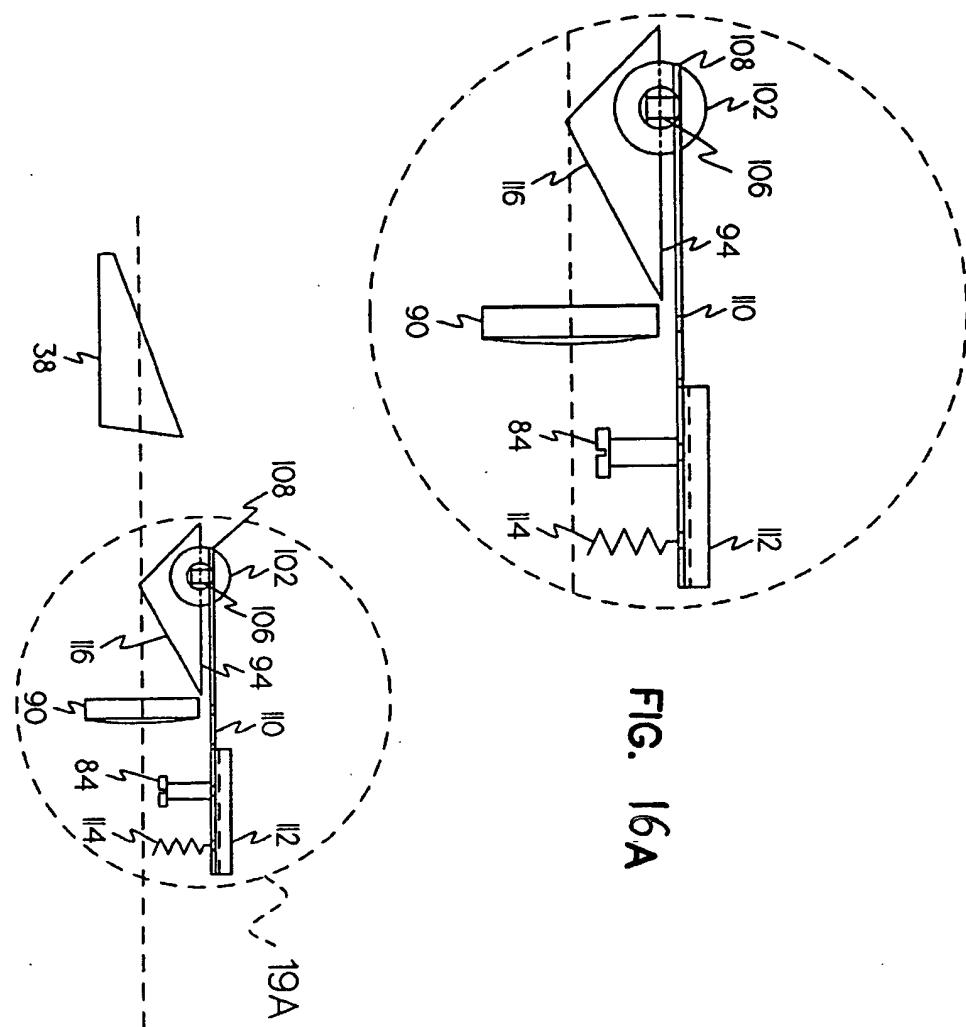


FIG. 16A

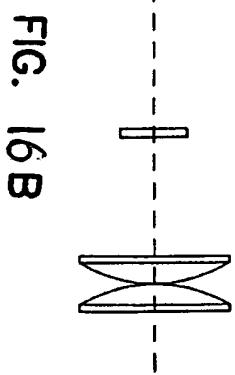
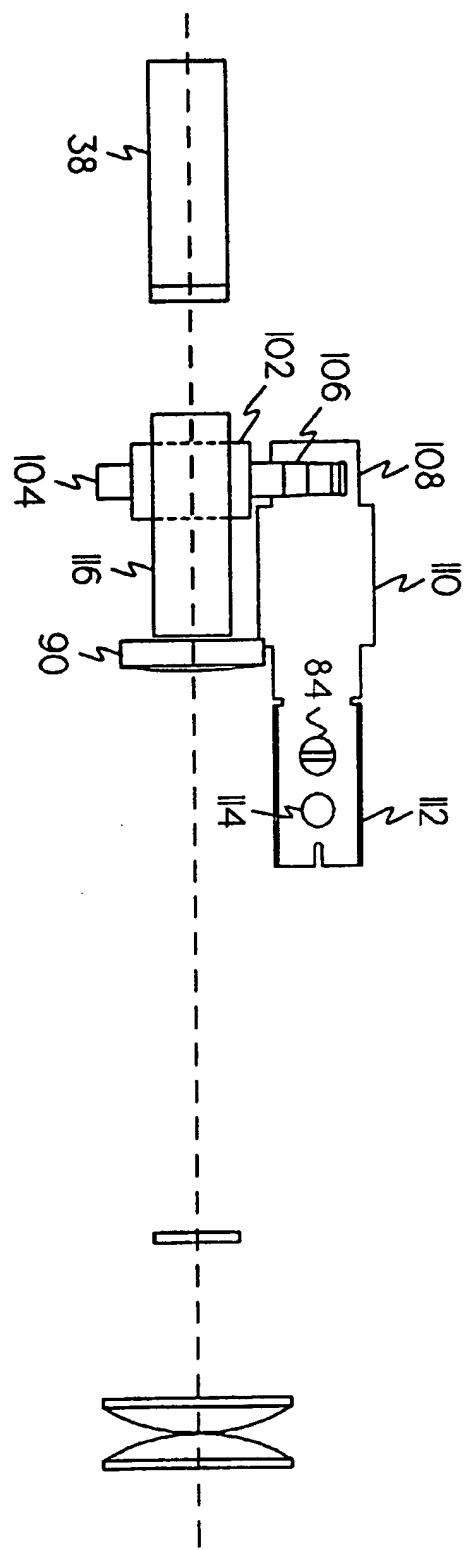


FIG. 16 C



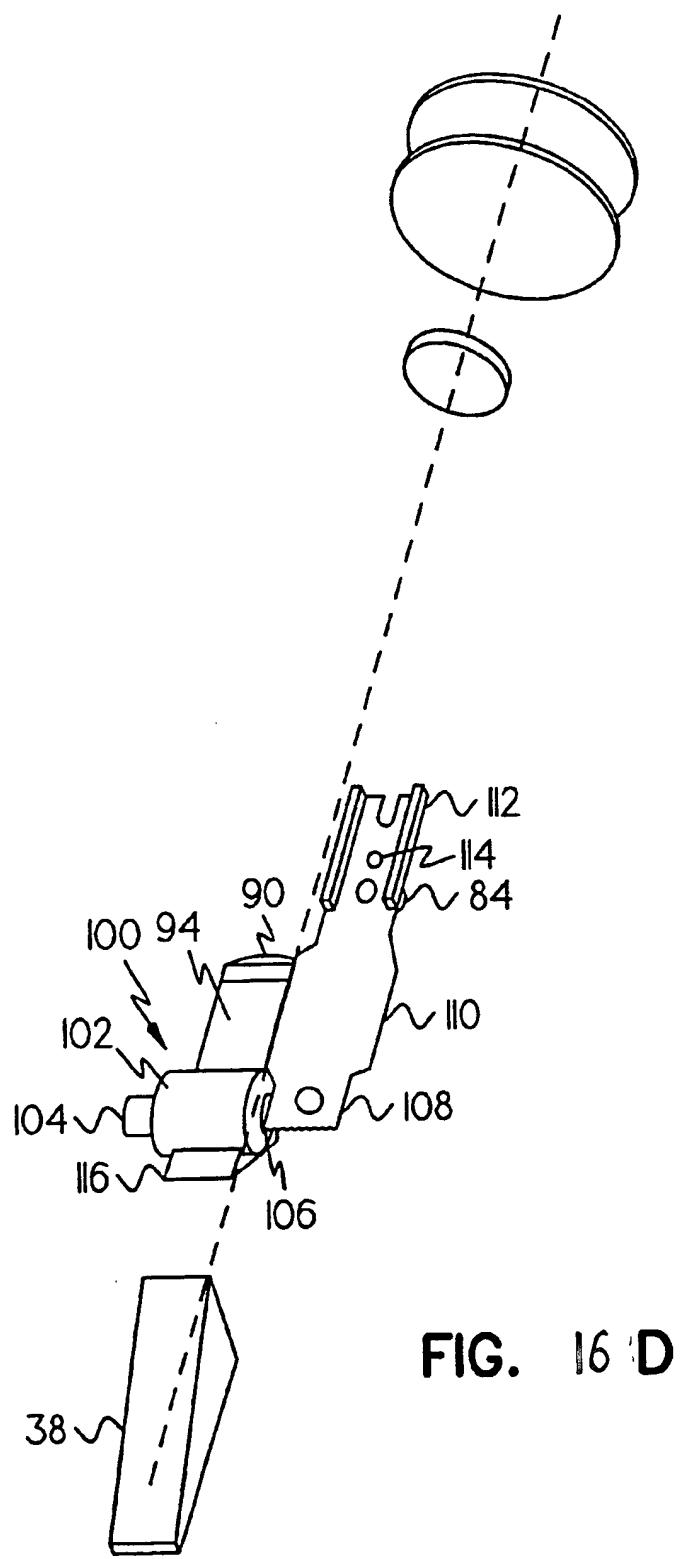


FIG. 16 D

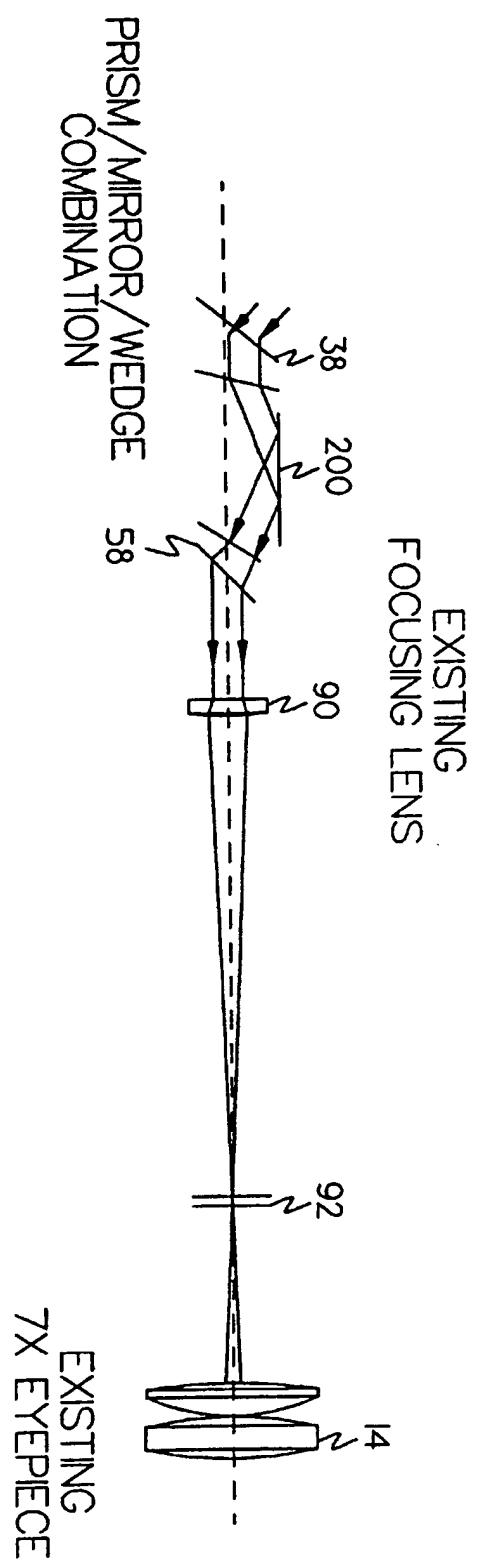


FIG. 17

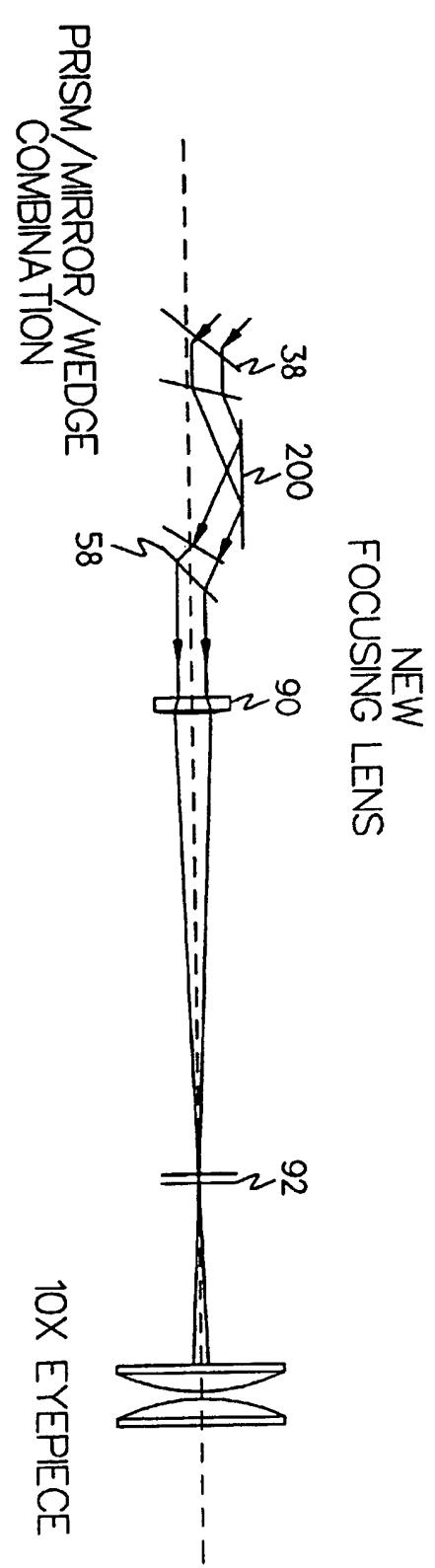


FIG. 18

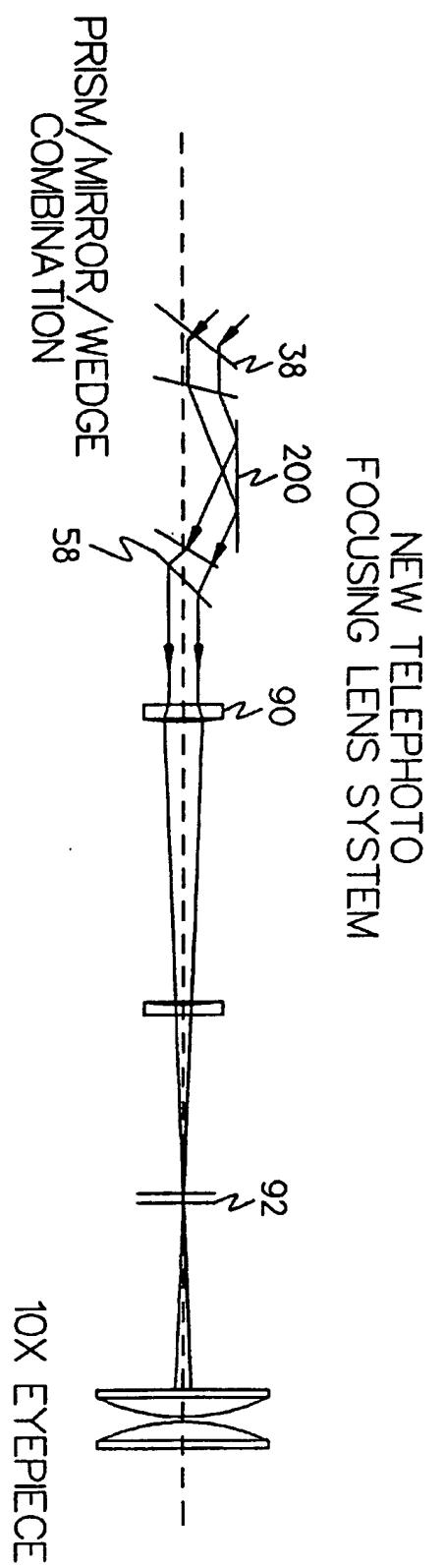


FIG. 19